



PATENT ABSTRACTS OF JAPAN

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C21D 1/82(21) Application number: **03272895**(71) Applicant: **NIPPON STEEL CORP**(22) Date of filing: **21.10.91**(72) Inventor: **HORIE MASANOBU**(54) **VACUUM ARC DESCALING APPARATUS**

(57) Abstract:

PURPOSE: To continuously drive a vacuum arc descaling apparatus by the means of continuously feeding the material to be treated into a vacuum tank, providing the vacuum tank with an airtight hopper and the means of catching the vaporized molecules of scales by arc discharge.

CONSTITUTION: This invention is a vacuum arc descaling apparatus characterized in that conductor rolls 6 and electrodes 9 are oppositely equipped with an interposed pass line continuously feeding the material to be treated into a vacuum tank in which a vacuum system is energized, a pass line of a strip 20 for vapor-depositing vapor molecules parallel to the pass line of the material to be treated, the bottom of the vacuum tank provided with a hopper 12 and the hopper 12 provided with an airtight apparatus, are provided.

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